



Inter-National Research Institute, Inc.

12350 Jefferson Avenue • Suite 400 • Newport News, Virginia 23602-6956
(757) 249-1234 • Fax: (757) 249-1236

To: DEBX Sites

From: Inter-National Research Institute, Inc.

Subject: Release Notes for SNMP Server, DEBX Version 3.0

Date: May 22, 2000

The Simple Network Management Protocol (SNMP) allows you to monitor networks and systems. INRI has developed an SNMP server, so in addition to the networks and systems you currently track, you can now monitor the DEBX system. When you query DEBX's SNMP server, the server checks specific DEBX system processes and then provides status information on the processes.

The DEBX SNMP server extends the ucd-snmp server, Version 3.6.2. The DEBX SNMP server supports these protocols: SNMP Version 1, SNMP Version 2 classic (RFCs 1441-1452), and community-based SNMP Version 2 (RFCs 1901-1908).

To access DEBX's SNMP server

Access DEBX's SNMP server, following your site's operating procedures for connecting to SNMP servers. When entering a host name, enter the host name of the machine on which DEBX is running. The server operates on the default port for SNMP (161).

To locate the DEBX status information

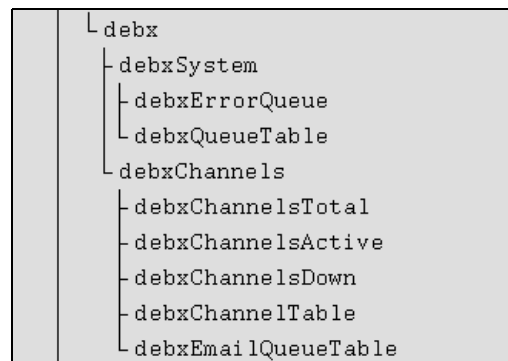
Once you have opened your SNMP client (according to the instructions provided with your client), follow this path to locate the DEBX status information:

```
.iso.org.dod.internet.private.enterprises.debx
```

To interpret the DEBX status information

The DEBX status information is organized in the tree structure shown below.

DEBX SNMP Tree Structure



Consult the following table for an explanation of the branches under the debxSystem branch.

System Information

Branch	Description
debxErroQueue	Number of entries in the error queue
debQueueTable	A table of the following information for each of the queues: <ul style="list-style-type: none">debQueueName Name of the queuedebQueueTotal Number of entries in the queuedebQueueYoungest Age of the youngest entry in the queuedebQueueOldest Age of the oldest entry in the queue

Consult the following table for an explanation of the branches under the debxChannels branch.

Channel Information

Branch	Description
debChannelsTotal	Number of channels
debChannelsActive	Number of channels that are currently active
debChannelsDown	Number of channels that are currently down
debChannelTable	A table of the following information for each of the channels: <ul style="list-style-type: none">debChannelName Name of the channeldebChannelStatus Current status of the channeldebChannelBacklog Number of messages waiting to be transmitted by the channeldebChannelLastReceive Time that the channel last received any datadebChannelLastTransmit Time that the channel last transmitted any data
debEmailQueueTable	A table of the following information for each of the email domain queues: <ul style="list-style-type: none">debEmailQueueDomain Name of the email domaindebEmailQueueBacklog Number of files waiting to be transmitted to this domain